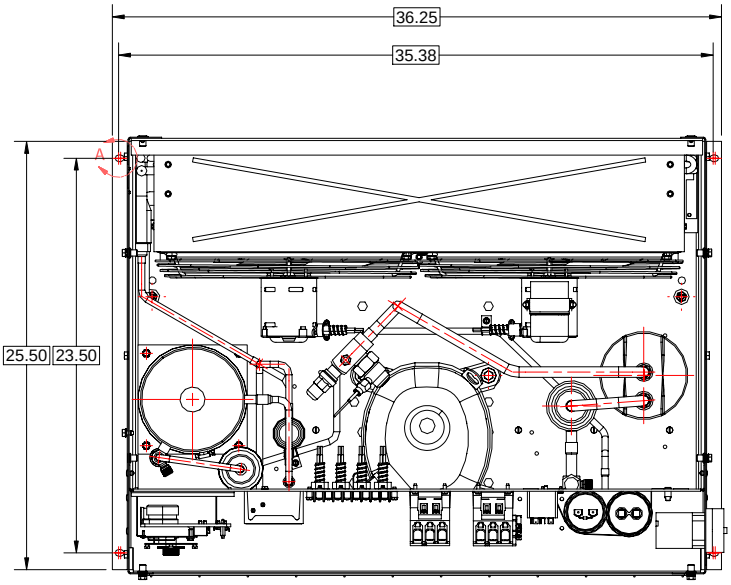
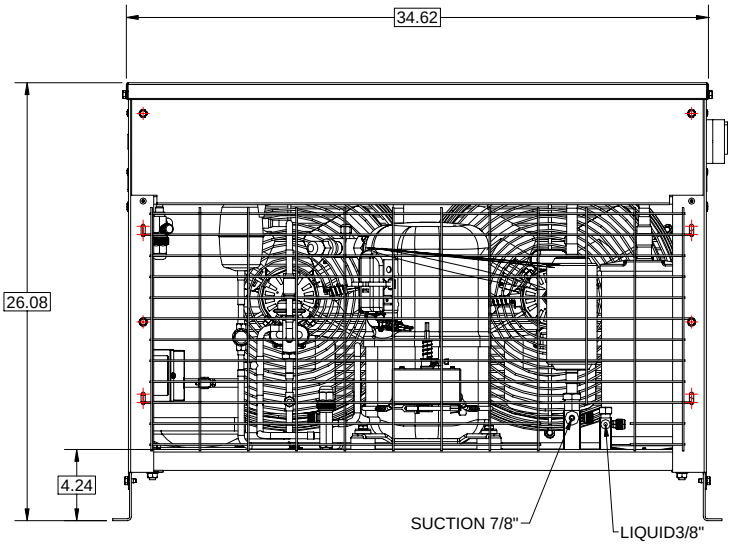
TECUMSEH OUTDOOR CONDENSING UNIT

Model	**AWA9518ZXTHN**
BOM	**32L2134-2E***
Air Cooled	**2 ¼ HP**
Application	**Commercial Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**200-230/60/3**





AWA9518ZXTHN	Overall Dimensions, inch (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs. (kg)
	26.43 (671)	36.25 (921)	26.08 (662)	7/8"	3/8"	20.09 lbs	1500	38.6	320 (145)

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures														
		80°F			90°F			95°F			100°F			110°F		
T, °F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.2	10200	2020	90	8700	1980	100	8000	1950	105	7200	1930	109	5900	1870	119
-5	27.5	11600	2140	92	10000	2120	101	9200	2110	106	8500	2090	111	7000	2050	120
0	32.1	13100	2270	93	11400	2270	103	10600	2260	107	9800	2250	112	8200	2230	121
5	37.0	14800	2390	95	13000	2410	104	12100	2410	109	11200	2410	113	9600	2400	123
10	42.4	16600	2520	96	14700	2560	106	13700	2560	110	12800	2570	115	11000	2570	124
15	48.2	18500	2650	98	16500	2700	107	15500	2710	112	14400	2720	116	12500	2750	126
20	**54.5**	**20600**	**2780**	**100**	**18400**	**2840**	**109**	**17300**	**2860**	**114**	**16200**	**2880**	**118**	**14100**	**2920**	**127**
25	61.2	22900	2910	102	20500	2990	111	19300	3020	115	18100	3040	120	15800	3090	129
30	68.4	25300	3030	104	22700	3130	113	21400	3170	117	20100	3200	122	17600	3260	130
35	76.1	27800	3160	106	25000	3270	115	23600	3320	119	22200	3360	124	19500	3430	132
40	84.4	30400	3300	109	27400	3420	117	25900	3470	121	24500	3510	126	21500	3600	134
45	93.2	33200	3430	111	30000	3560	120	28400	3620	124	26800	3670	128	23600	3770	136

Performance @ 60 Hz, Return gas 40°F below 20°F Evaporator and 65°F above 20°F evaporator, SubCooling 5°F

*** OPTION CODE:** See reverse side for Available Options

Parts/Specifications

STANDARD

Unit BOM	**32L2134-2E**
Unit MODEL	**AWA9518ZXTHN**
Refrigeration Range	-10°F to 45°F
Design Pressure Low / High	181 / 450
Volts - HZ - Ph	200-230V ~ 60HZ
Voltage Range	180 - 253
Min. Circuit Ampacity	14.24
Max. Fuse Size	25
Compressor MODEL	AWA9514ZXT
Compressor BOM	AW617RT-120-A2
Compressor LRA	63.4
Compressor RLA	9.94
OverLoad	internal
Replacement Kit - O/L	
Relay	
Replacement Kit - Relay	
Run Capacitor	
Run Capacitor Rating	
Start Capacitor	
Start Capacitor Rating	
Contactor	91014B
Unit Drawing	DGU1918-L303
Wiring Diagram	WD23-2XT2
Wiring Diagram (A or F opt.)	WD23-2AT2

Fan Motor	810F050C20
Replacement Fan Motor	50W230
Fan Motor Qty	2
Fan Motor RLA	0.7
Fan Blade	51568-1
Fan Guard	70831
Shroud	70648-2
High Pressure switch	84095-2L
Low Pressure Control	84026-2
Dual Pressure Conrol	
Head Master Valve	70083
Check Valve	56626
Process Valve	31583-1
Discharge Valve (Base)	56618
Liquid Valve (Base)	56500-K06
Liquid Valve (Receiver)	attached
Suction Valve (Base)	56500-K14
Suction Valve (Rotolock)	
Condenser	50858-1
Receiver	51099-1L
Accumulator	TK00042000
Liquid Filter	70139
Sight Glass	70084-S
Suction Filter	70822-5S
CrankCase Heater	91022-1

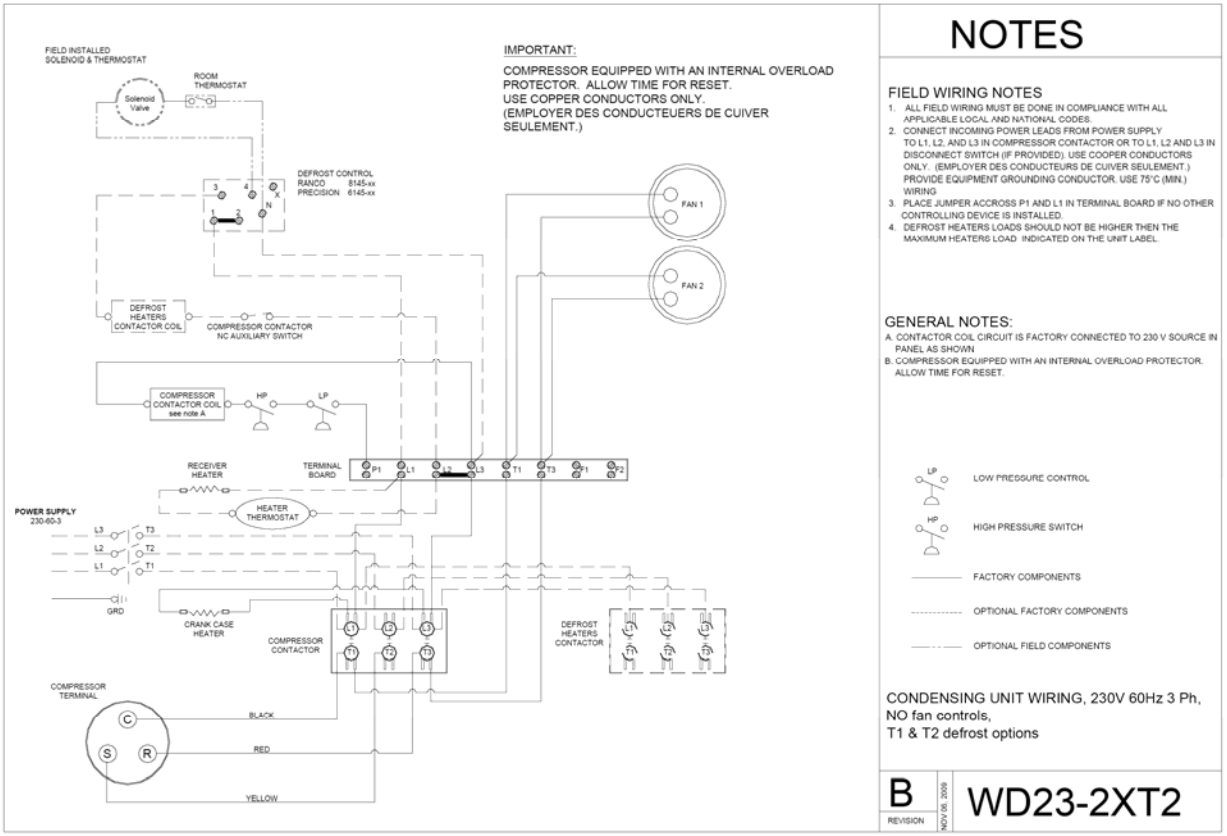
AVAILABLE OPTIONS

32Lxxxx-2ER(F)ATnD

R Heated/Insulated Receiver
F Fixed Fan Control
A Adjustable Fan Control
T1 Air Defrost Timer
T2 Electrical Defrost Timer & Defrost Heater Contactor
D Disconnect Switch (nonfused)

AVAILABLE ACCESSORIES	
Solenoid Valve (supplied loose)	KSVC-264
Hail Louver Assy	LLPG-201

REPLACEMENT PARTS	
Receiver Heater (R option)	92124-2
Receiver Thermostat (R option)	84102-2
Fixed Fan Control (F option)	84132-1
Adjustable Fan Control (A option)	14955874
Defrost Timer (T1 or T2 option)	84110
Defrost Heater Contactor and Auxiliary Switch (T2 opt.)	91014B and 91014-AUX
Disconnect (D option)	LDSG-332


FIELD INSTALLED SOLENOID & THERMOSTAT
ROOM THERMOSTAT
Solenoid Valve
DEFROST CONTROL RANCO 8145-xx PRECISION 6145-xx
DEFROST HEATERS CONTACTOR COIL
COMPRESSOR CONTACTOR NC AUXILIARY SWITCH
COMPRESSOR CONTACTOR COIL see note A
HP
LP
RECEIVER HEATER
TERMINAL BOARD
HEATER THERMOSTAT
POWER SUPPLY 230-60-3
GRD
CRANK CASE HEATER
COMPRESSOR CONTACTOR
DEFROST HEATERS CONTACTOR
COMPRESSOR TERMINAL
BLACK
RED
YELLOW
FAN 1
FAN 2
IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.)
NOTES
FIELD WIRING NOTES
1. ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. CONNECT INCOMING POWER LEADS FROM POWER SUPPLY TO L1, L2, AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED). USE COOPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING
3. PLACE JUMPER ACCROSS P1 AND L1 IN TERMINAL BOARD IF NO OTHER CONTROLLING DEVICE IS INSTALLED.
4. DEFROST HEATERS LOADS SHOULD NOT BE HIGHER THEN THE MAXIMUM HEATERS LOAD INDICATED ON THE UNIT LABEL.
GENERAL NOTES:
A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
B. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
LOW PRESSURE CONTROL
HIGH PRESSURE SWITCH
FACTORY COMPONENTS
OPTIONAL FACTORY COMPONENTS
OPTIONAL FIELD COMPONENTS
CONDENSING UNIT WIRING, 230V 60Hz 3 Ph,
NO fan controls,
T1 & T2 defrost options
B
REVISION
NOV 06 2009
WD23-2XT2